

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004)		ATTORNEY'S DOCKET NUMBER PU02103
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NUMBER (if known, see 37 CFR 1.5) 107531783 to be assigned
INTERNATIONAL APPLICATION NO. PCT/SE2003/001434	INTERNATIONAL FILING DATE 12 September 2003	PRIORITY DATE CLAIMED 31 October 2002
TITLE OF INVENTION USE OF UREA VARIANTS AS AFFINITY LLIGANDS		
APPLICANT(S) FOR DO/EO/US AXEN, Andreas; BAUMANN, Herbert; CARREDANO, Enrique; GRONBERG, Anna; and STEENSMA, Elles		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 		
Items 13 to 23 below concern document(s) or information included:		
<ol style="list-style-type: none"> 13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. EV 328148132 US 23. <input checked="" type="checkbox"/> Other items or information: copy of this transmittal letter for charging purposes, Certificate of Mailing by Express Mail, copies of the publications cited on the Information Disclosure Statement, copy of the International-Type Search Report (PCT/ISA/201/SE) for priority 0203226-6, copy of the International-Type Search Report (PCT/ISA/201/SE) for priority 0203878-4, copy of the Written Opinion of the IPEA (PCT/IPEA/408) and a return postcard 		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/531783 <small>To be assigned</small>		INTERNATIONAL APPLICATION NO. PCT/SE2003/001434		ATTORNEY'S DOCKET NUMBER PU02103																																																															
24. The following fees are submitted: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><input checked="" type="checkbox"/> a) Basic national fee</td> <td style="width: 40%;">\$300.00</td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee</td> <td>\$200.00</td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee</td> <td>\$500.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$1000.00</td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole)</th> <th>RATE</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>19</td> <td>- 20 = 0</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>1</td> <td>- 3 = 0</td> <td>x \$200.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIMS (if applicable)</td> <td><input type="checkbox"/></td> <td>+ \$360.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="4" style="text-align: right;">\$1,000.00</td> </tr> </table> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$1,000.00</td> </tr> </table> <p>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$1,000.00</td> </tr> </table> <p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><input type="checkbox"/></td> <td style="width: 40%;">+ \$0.00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2" style="text-align: right;">\$1,000.00</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> Amount to be refunded: Amount to be charged: </td> </tr> <tr> <td colspan="2" style="text-align: center;">\$</td> </tr> <tr> <td colspan="2" style="text-align: center;">\$</td> </tr> </table>						<input checked="" type="checkbox"/> a) Basic national fee	\$300.00	<input checked="" type="checkbox"/> b) Examination fee	\$200.00	<input checked="" type="checkbox"/> c) Search fee	\$500.00	TOTAL OF ABOVE CALCULATIONS =		\$1000.00		Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE	- 100 =	/50 =		x \$250.00	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	19	- 20 = 0	x \$50.00	Independent claims	1	- 3 = 0	x \$200.00	MULTIPLE DEPENDENT CLAIMS (if applicable)		<input type="checkbox"/>	+ \$360.00	TOTAL OF ABOVE CALCULATIONS =				\$1,000.00				SUBTOTAL =		\$1,000.00		TOTAL NATIONAL FEE =		\$1,000.00		<input type="checkbox"/>	+ \$0.00	TOTAL FEES ENCLOSED =		\$1,000.00		Amount to be refunded: Amount to be charged:		\$		\$	
<input checked="" type="checkbox"/> a) Basic national fee	\$300.00																																																																		
<input checked="" type="checkbox"/> b) Examination fee	\$200.00																																																																		
<input checked="" type="checkbox"/> c) Search fee	\$500.00																																																																		
TOTAL OF ABOVE CALCULATIONS =																																																																			
\$1000.00																																																																			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE																																																																
- 100 =	/50 =		x \$250.00																																																																
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																
Total claims	19	- 20 = 0	x \$50.00																																																																
Independent claims	1	- 3 = 0	x \$200.00																																																																
MULTIPLE DEPENDENT CLAIMS (if applicable)		<input type="checkbox"/>	+ \$360.00																																																																
TOTAL OF ABOVE CALCULATIONS =																																																																			
\$1,000.00																																																																			
SUBTOTAL =																																																																			
\$1,000.00																																																																			
TOTAL NATIONAL FEE =																																																																			
\$1,000.00																																																																			
<input type="checkbox"/>	+ \$0.00																																																																		
TOTAL FEES ENCLOSED =																																																																			
\$1,000.00																																																																			
Amount to be refunded: Amount to be charged:																																																																			
\$																																																																			
\$																																																																			
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.																																																																			
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502-590</u> in the amount of <u>\$1,000.00</u> to cover the above fees. A duplicate copy of this sheet is _____.																																																																			
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502-590</u> . A duplicate copy of this sheet is enclosed.																																																																			
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																																																																			
SEND ALL CORRESPONDENCE TO: Customer No.: 22840 Amersham Biosciences Corp Patent Department 800 Centennial Avenue Piscataway, New Jersey 08855 (732) 457-8423																																																																			
 SIGNATURE Royal N. Ronning, Jr.																																																																			
NAME <u>32,529</u> REGISTRATION NUMBER																																																																			

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): A. Axen, et al.

Docket No.

PU02130

Application No. 10/7531783 to be assigned	Filing Date to be assigned	Examiner to be assigned	Customer No. 22840	Group Art Unit to be assigned
--	-------------------------------	----------------------------	-----------------------	----------------------------------

Invention: USE OF UREA VARIANTS AS AFFINITY LIGANDS

I hereby certify that the following correspondence:

transmittal letter w/copy, filing fee, First Preliminary Amendment (8pgs), signed combined Declaration/Power of Attorney (4pgs), Form PTO-1449 (1pg)w/copies of non-US references cited, International-Type Search Report-0203226-6 & 0203878-4 (ISA/201/SE), International Search Report (ISA/210), Written Opinion (IPEA/408), copy of published international application & a return postcard

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

18 April 2005

(Date)

Melissa Leck

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 328148132 US

("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.